

(FILE 'HOME' ENTERED AT 23:11:24 ON 28 NOV 2002)

FILE 'CAPLUS' ENTERED AT 23:11:46 ON 28 NOV 2002

L1 697 S IBAD OR EBAD OR ABAD OR MBAD
L2 1409 S BEAM ASSIST? DEPOSIT?
L3 54 S IBAE OR EBAE OR MBAE OR AB AE
L4 133 S BEAM ASSIST? ETCH?
L5 1 S LASER BEAM ASSIST? ETCH?
L6 0 S LASER BEAM ASSIST DEPOSIT?
L7 1713 S L1 OR L2 OR L3 OR L4 OR L5 OR L6
L8 1008079 S (CU OR COPPER?)
L9 207 S L7 AND L8
L10 89 S L9 AND (ETCH? OR DEPOSIT?)/TI
L11 118 S L9 NOT L10
L12 23 S L11 AND (TIN OR TITANIUM OR BARRIER)
L13 42 S L9 AND (TIN OR TITANIUM OR BARRIER)
L14 112 S L10 OR L13
L15 95 S L9 NOT L14

FILE 'JAPIO' ENTERED AT 23:17:17 ON 28 NOV 2002

L16 0 S L14
L17 0 S L15

FILE 'USPAT2' ENTERED AT 23:17:48 ON 28 NOV 2002

L18 2 S L7(P)(L8 OR TIN OR TITANIUM OR BARRIER)
L19 18 S L7
L20 0 S (L5 OR L6)
L21 1 S LASER(10A)BEAM(10A)ASSIST?(10A)(ETCH? OR COAT?)

FILE 'JAPIO' ENTERED AT 23:20:37 ON 28 NOV 2002

L22 5 S L21

FILE 'CAPLUS' ENTERED AT 23:21:09 ON 28 NOV 2002

L23 72 S L21
L24 51 S LASER(10W)BEAM(10W)ASSIST?(10W)(ETCH? OR DEPOSIT?)
L25 13 S L24 AND ETCH?
L26 38 S L24 NOT L25
SAVE ETCHL14/A L14
SAVE ETCHL15/A L15
SAVE ETCHL26/A L26

FILE 'CAPLUS' ENTERED AT 20:42:46 ON 28 NOV 2002

L1 1008079 S CU OR COPPER?
L2 371160 S ?ORGANIC?
L3 1114699 S ?ORGAN?
L4 9428 S L1(10A)L3
L5 164165 S (ELECTRON OR E OR PARTICLE OR ATOMIC? OR
MOLECULAR?)(W)BEAM#
L6 21 S L4 AND L5
L7 0 S L4 AND FAST PARTICLE BEAM
L8 21 S L6 OR L7

FILE 'JAPIO' ENTERED AT 20:45:47 ON 28 NOV 2002

L9 4 S L8

FILE 'INSPEC' ENTERED AT 20:46:08 ON 28 NOV 2002

L10 25 S L8

FILE 'USPAT2' ENTERED AT 20:46:58 ON 28 NOV 2002

L11 0 S L4(P)L5 OR L7

FILE 'CA' ENTERED AT 20:48:47 ON 28 NOV 2002

FILE 'CAPLUS' ENTERED AT 20:48:50 ON 28 NOV 2002

L12 3367 S L3 AND L5
L13 772 S L12 AND (DEPOSIT? OR CVD OR HPCVD OR LPCVD)
L14 6999 S L5(10A)(DEPOSIT? OR CVD OR HPCVD OR LPCVD)
L15 317 S L3 AND L14
L16 152 S L15 AND BEAM#/TI AND DEPOSIT?/TI
L17 149 S L16 AND (ATOMIC? OR ELECTRON? OR PARTICLE OR
MOLECULAR?)/TI
L18 40 S L17 AND ELECTRON/TI
L19 109 S L17 NOT L18
L20 13 S L19 AND (CU OR COPPER?)
L21 96 S L19 NOT L20
L22 165 S L15 NOT L16
SAVE ETCHL21/A L21
SAVE ETCHL22/A L22

FILE 'JAPIO' ENTERED AT 20:58:35 ON 28 NOV 2002

L23 0 S L18
L24 0 S L20
L25 104 S L15
L26 26868 S (ELECTRON OR E)(W)BEAM
L27 68 S L25 AND L26
L28 7 S L25 AND (CU OR COPPER?)

L29 6 S L27 AND L28
L30 7 S L28 OR L29
L31 62 S L27 NOT L30
SAVE ETCHL31/A L31

FILE 'CAPLUS' ENTERED AT 21:03:55 ON 28 NOV 2002

L32 2583 S RIBE OR REACTIV?(4A)ION(4A)BEAM?(4A)ETCH?
L33 39 S L32 AND (TURN? OR ROTAT? OR REVOLV? OR REVOLUT?)
L34 354 S L32 AND (LASER OR UV OR ULTRAVIOLET OR ULTRA VIOLET OR
COLLIM
L35 352 S (ETCH? OR PATTERN? OR REMOV?) AND L34
L36 108 S L35 AND (RIBE OR REACTIV? ION BEAM ETCH?)

FILE 'JAPIO' ENTERED AT 21:09:24 ON 28 NOV 2002

L37 73 S (L33 OR L36)

FILE 'CAPLUS' ENTERED AT 21:11:18 ON 28 NOV 2002

L38 36 S L33 NOT L36
L39 0 S L38 AND TURN? AND TABLE